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Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID: US 20020182203 A1

L1: Entry 1 of 3

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020182203
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020182203 A1

TITLE: DSP 15 dual-specificity phosphatase

PUBLICATION-DATE: December 5, 2002

INVENTOR - INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE - 47
Luche, Ralf M.	Seattle	WA	US	
Wei, Bo	Kirkland	WA	US	

US-CL-CURRENT: 424/94.6, 435/196, 435/320.1, 435/325, 435/69.1, 536/23.2

2. Document ID: US 20010049358 A1

L1: Entry 2 of 3

File: PGFB

Dec 6, 2001

PGPUB-DOCUMENT-NUMBER: 20010049358
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010049358 A1

TITLE DSP-12 and DSP-13 dual-specificity phosphatases

PUBLICATION-DATE: December 6, 1971

INVENTOR INFORMATION:

NAME	CITY	STATE	COUNTRY	PINCODE
Lurie, Paul M.	Seattle	WA	US	
Wei, Bo	Kirkland	WA	US	

US-CL-CURRENT: 514/12, 435/126, 435/325, 435/6, 435/69, 1, 435/7, 1

DERWENT-ACC-NO: 2001-488887

DERWENT-WEEK: 200203

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TITLE New isolated dual-specificity phosphatase polypeptide for treating cancer, graft-versus-host disease, autoimmune diseases, allergies, metabolic diseases, abnormal cell growth and abnormal cell proliferation

INVENTOR: LUCHE, R M; WEI, B

PRIORITY-DATA: 2000US-179886P (February 2, 2000), 2001US-0775925 (February 1, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200152221 A2	August 9, 2001	E	081	C12N015/55
US 20010049358 A1	December 6, 2001		000	C12N009/16
AU 200133252 A	August 14, 2001		000	C12N015/55

INT-CL (IPC): A61 K 39/395; C07 E 16/40; C12 N 5'06; C12 N 9/13; C12 N 15/11; C12 N 15/55; C12 P 21/02; C12 Q 1/42; C12 Q 1/68; G01 W 33/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMTC

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Documents

dsp-12 and phosphatase

3

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Search Results - Record(s) 21 through 30 of 70 returned.

21. Document ID: US 20020183249 A1

LB: Entry 21 of 70

File: FGPB

Dec 5, 2002

PGPUB - DOCUMENT - NUMBER: 29020183349

FGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020183249 A1

TITLE: Method of identifying inhibitors of CDC25

PUBLICATION-DATE: December 5, 2002

INVENTOR - INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Taylor, Neil R.	Sydney	MA	AU	
Borhani, David	Worcester	MA	US	
Epstein, David	Belmont	NC	US	
Rudolph, Johannes	Durham	MA	US	
Ritter, Kurt	Newton	MA	US	
Fujimori, Taro	Shrewsbury	MA	US	
Robinson, Simon	Stow	MA	US	
Eckstein, Jens	Arlington	CA	US	
Haupt, Andreas	Schwetzingen	MA	DE	
Walker, Nigel	Burlingame	MA	US	
Dixon, Richard W.	Jefferson	MA	US	
Choquette, Deborah	Rutland	MA	US	
Blanchard, Jill	Arlington	MA	US	
Fluge, Arthur	Lincoln	MA	US	
Pal, Kollol	Needham	MA	US	
Bockovich, Nicholas	Malden	MA	US	
Come, Jon	Cambridge		US	
Hedinger, Mark	Marlboro		US	

US CL. CURRENT: 514, 12; 433, 226, 2-3, 117

1003C

22 Document ID: US 20020182203 A1

1. - HISTORY.

卷之三

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Luche, Ralf M.	Seattle	WA	US	
Wei, Bo	Kirkland	WA	US	

US-CL-CURRENT: 424/94.6; 435/196, 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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23. Document ID: US 20020156247 A1

LB: Entry 23 of 70

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020156247

PGPUB-FILING-TYPE: new

DOCUMENT IDENTIFIER: US 20020156247 A1

TITLE: Mammalian checkpoint genes and proteins

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Elledge, Stephen J.	Houston	TX	US	
Sanches, Yslanda	Cincinnati	OH	US	

US-CL-CURRENT: 530/389.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image									

KOMC

24. Document ID: US 20020155505 A1

LB: Entry 24 of 70

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155505

PGPUB-FILING-TYPE: new

DOCUMENT IDENTIFIER: US 20020155505 A1

TITLE: Methods for lead discovery

PUBLICATION-DATE: October 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wells, Jim	Parlinspine	VA	US	
Erlanson, Dan	St. Louis, MO	MO	US	

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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25. Document ID: US 20020151561 A1

LB: Entry 25 of 70

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151561
 PGPUB-FILING-TYPE: new
 DOCUMENT-IDENTIFIER: US 20020151561 A1

TITLE: Modulators of Protein Tyrosine Phosphatases (PTPases)

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFO:

NAME	CITY	STATE	COUNTRY	RULE-47
Andersen, Henrik Sune	Lyngby	CA	DK	
Hansen, Thomas Kruse	Herlev	CA	DK	
Lau, Jesper	Farum	CA	DK	
Mller, Niels Peter Hundahl	Kobenhavn O	CA	DK	
Clsen, Ole Hvilsted	Bronshoj	WA	DK	
Axe, Frank Urban	Escondida	CA	US	
Eakir, Farid	San Dieg	CA	US	
Ge, Yu	San Dieg	CA	US	
Hilswcrth, Daniel Dale	San Dieg		US	
Judge, Luke Milburn	Seattle		US	
Newman, Michael James	San Diego		US	
Uyeda, Rcy Teruyuki	San Diego		US	
Shapira, Barry Zvi	Action		US	

US-CL-CURRENT: 514/301; 546/114

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KMC				

26. Document ID: US 20020150954 A1

LB: Entry 16 of 21

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150954
 PGPUB-FILING-TYPE: new
 DOCUMENT-IDENTIFIER: US 20020150954 A1

TITLE: Compositions and methods for identifying agents which modulate PTEN function and PI-3 kinase pathways

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFO:

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image								KMC	

27. Document ID: US 20020137170 A1

LB: Entry 27 of 70

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020137170

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020137170 A1

TITLE: DSP-16 dual-specificity phosphatase

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Luche, Ralf M.	Seattle	WA	US	
Wei, Bo	Kirkland	WA	US	

US-CL-CURRENT: 435/196; 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image								KMC	

28. Document ID: US 20020116729 A1

LB: Entry 28 of 70

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020116729

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020116729 A1

TITLE: Transgenic mice containing NTTP1 phosphatase gene disruptions

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Allen, Keith R.	Carry	NC	US	

US-CL-CURRENT: 536/19; 435/320.1, 435/325

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image								KMC	

29. Document ID: US 20020102693 A1

LB: Entry 29 of 20

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Luche, Ralf M.	Seattle	WA	US	

US-CL-CURRENT: 435/196; 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
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30. Document ID: US 20020102691 A1

LB: Entry 30 of 70

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102691

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020102691 A1

TITLE: Cytokine-, stress-, and oncoprotein-activated human protein kinase kinases

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Davis, Roger J.	Princeton	MA	US	
Raingeaud, Joel	Palaiseau		FR	
Derijard, Benoit	Nice		FR	

US-CL-CURRENT: 435/194; 435/320.1, 435/325, 435/66, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
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dual specificity phosphatase?

Documents

70

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[Previous Page](#) [Next Page](#)

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Search Results - Record(s) 41 through 50 of 70 returned.

41 Document ID: US 6566511 B2

LS: Entry 41 of 70

File: USPT

May 20, 2003

US-PAT-NO: 6566512

DOCUMENT-IDENTIFIER: US 6566511 B2

TITLE: MAP kinase phosphatase mutant

DATE-ISSUED May 20, 2003

INVENTOR - INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Revenkova; Ekaterina	Fort Lee	NJ		
Faszkowski; Jurek	Del Mar	CA		

US-CL-CURRENT: 536/23.2, 435/196, 435/252.3, 435/320.1, 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KODC

42. Document ID: US 6566133 B1

L3: Entry 42 of 70

File: USPT

May 20, 2003

US-PAT-NR: 6566133

DOCUMENT-IDENTIFIER: US 6566133 B1

TITLE: Antisense inhibition of dual specific phosphatase 9 expression

DATE-ISSUED: May 20, 2003

EXHIBIT N INFORMATION

NAME _____ CITY _____ STATE _____ ZIP CODE _____ COUNTY _____
P. W. Smithey, Law M.

US CL-CURRENT: 435/325; 514/44, 536/23.1, 536/24.5

KODC

DOCUMENT-IDENTIFIER: US 6551809 B1

TITLE: DSP-1C dual-specificity phosphatase

DATE-ISSUED: April 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Luche; Paul M	Seattle	WA		
Wei; Bo	Kirkland	WA		

US-CL-CURRENT: 435/196; 435/252.3, 435/320.1, 435/325, 435/6, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMPC
Draw Desc	Image									

44. Document ID: US 6551809 B2

LB: Entry 44 of 70

File: USPT

Apr 22, 2003

US-PAT-NO: 6551809

DOCUMENT-IDENTIFIER: US 6551809 B2

TITLE: Isolated human phosphatase proteins, nucleic acid molecules encoding human phosphatase proteins, and uses thereof

DATE-ISSUED: April 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yan; Chunhua	Boyds	MD		
Gan; Weiniu	Gaithersburg	MD		
Di Francesco; Valentina	Rickville	MD		
Beasley; Ellen M.	Darnestown	MD		

US-CL-CURRENT: 435/194; 435/252.3, 435/320.1, 530/350, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMPC
Draw Desc	Image									

45. Document ID: US 6541605 B1

LB: Entry 45 of 70

File: USPT

Apr 1, 2003

US-PAT-NO: 6541605

DOCUMENT-IDENTIFIER: US 6541605 B1

TITLE: Cytokine-, stress-, and temperature-activated human protein kinase kinases

DATE-ISSUED: April 1, 2003

NAME	CITY	STATE	ZIP CODE	COUNTRY
Davis; Roger J.	Princeton	MA		
Faingeaud; Joel	Palaiseau			FR
Terjard; Benoit	Nice			FR

US-CL-CURRENT: 530/650; 435/6, 435/7.1, 435/91.1, 435/91.2, 536/22.1, 536/23.1,
536/24.3, 536/24.31, 536/24.32, 536/24.33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

46. Document ID: US 6518029 B1

LIST: Entry 46 of 70

FILE: USPT

Feb 11, 2003

US-PAT-NO: 6518029

DOCUMENT-IDENTIFIER: US 6518029 B1

TITLE: Human hydrolase-like molecules

DATE-ISSUED: February 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA		
Lal; Preeti	Santa Clara	CA		
Hillman; Jennifer L.	Mountain View	CA		
Corley; Neil C.	Mountain View	CA		
Guegler; Karl J.	Menlo Park	CA		
Shah; Purvi	Sunnyvale	CA		

US-CL-CURRENT: 435/7.1; 435/183, 435/193, 435/194, 435/195, 435/196, 435/7.21, 435/7.4,
530/35

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

47. Document ID: US 6492157 B1

LIST: Entry 47 of 70

FILE: USPT

Dec 10, 2002

US-PAT-NO: 6492157

DOCUMENT-IDENTIFIER: US 6492157 B1

TITLE: DSP-S dual-specificity phosphatase

DATE-ISSUED: December 10, 2002

INVENTOR-INFORMATION:

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KMC				

48. Document ID: US 6482644 B1

LB: Entry 48 of 70

File: USPT

Nov 19, 2002

US-PAT-NC: 6482644

DOCUMENT-IDENTIFIER: US 6482644 B1

TITLE: Antisense modulation of dual specific phosphatase 8 expression

DATE-ISSUED: November 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cowser; Lex M.	San Mateo	CA		

US-CL-CURRENT: 435/375; 435/325, 435/366, 435/6, 435/91.1, 536/23.1, 536/24.31,
536/24.33, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KMC				

49. Document ID: US 6436642 B1

LB: Entry 49 of 70

File: USPT

Aug 20, 2002

US-PAT-NC: 6436642

DOCUMENT-IDENTIFIER: US 6436642 B1

TITLE: Method of classifying a thyroid carcinoma using differential gene expression

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gould-Rothberg; Bonnie E.	Guilford	CT		
Rastelli; Luca	Guilford	CT		

US-CL-CURRENT: 435/6; 435/12.1, 435/91.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KMC				

50. Document ID: US 6420153 B1

LB: Entry 50 of 70

File: USPT

Aug 20, 2002

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meyers, Rachel A.	Newton	MA		
Weich, Nadine	Brookline	MA		

US-CL-CURRENT: 435/196; 435/252.3, 435/320.1, 435/325, 536/23.1, 536/23.2, 536/24.1

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Terms

Documents

dual specificity phosphatase?

70

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			result set
<i>DB USPT,PGPB,JPAB,EPAB,DWPI; PLUR YES; OP ADJ</i>			
L13	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met	0	L13
L12	I3 and DNA	65	L12
L11	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala	0	L11
L10	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu Gly Ile Leu Asp Ala Ser Lys Gln Arg	0	L10
L9	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln Gln Thr Asp Ser Ser Leu Gln Gln Pro Val Asp Asp Pro Ala Gly Pro Gly Asp Phe Leu Pro Glu Thr Pro Asp Gly Thr Pro Glu	0	L9
L8	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln Gln Thr Asp Ser Ser Leu Gln Gln Pro Val Asp Asp Pro Ala Gly Pro Gly Asp Phe Leu Pro Glu Thr Pro Asp Gly Thr Pro Glu	0	L8
L7	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln Gln Thr Asp Ser Ser Leu Gln Gln Pro Val Asp Asp Pro Ala Gly Pro Gly Asp Phe Leu Pro Glu Thr Pro Asp Gly Thr Pro Glu Ser Gln Leu Pro Phe Ile Asp Asp Ala Ala	0	L7
L6	Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln Gln Thr Asp Ser Ser Leu Gln Gln Pro	0	L6
Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe Gly Trp Pro Leu Glu Lys Ala Tyr Asn			

	Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser 275 280 285 Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu 290 295 300		
L5	Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln 305 310 315 320 Gln Thr Asp Ser Ser Leu Gln Gln Pro Val Asp Asp Pro Ala Gly Pro Gly Asp Phe Leu Pro Glu Thr Pro Asp Gly Thr Pro Glu Ser Gln Leu Pro Phe Leu Asp Asp Ala Ala Gln Pro Gly Leu Gly Pro Pro Leu Pro	0	L5
	Leu Val His Cys Lys Met Gly 245 250 255 Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala Met Lys Glu Phe 260 265 270 Gly Trp Pro Leu Glu Lys Ala Tyr Asn Tyr Val Lys Gln Lys Arg Ser 275 280 285 Ile Thr Arg Pro Asn Ala Gly Phe Met Arg Gln Leu Ser Glu Tyr Glu 290 295 300 Gly Ile Leu Asp Ala Ser Lys Gln Arg His Asn Lys Leu Trp Arg Gln 305 310 315 320 Gln Thr Asp Ser Ser Leu Gln Gln Pro Val Asp Asp Pro Ala Gly Pro 325 330 335 Gly Asp Phe Leu Pro Glu Thr Pro Asp Gly Thr Pro Glu Ser Gln Leu Pro Phe Leu Asp Asp Ala Ala Gln Pro Gly Leu Gly Pro Pro Leu Pro	0	L4
L3	dual specificity phosphatase?	70	L3
L2	dual specificity phosphatase	0	L2
L1	dsp-12 and phosphatase	3	L1

END OF SEARCH HISTORY



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ARTICLES

Normalization and subtraction: two approaches to facilitate gene discovery

MF Bonaldo, G Lennon and MB Soares

Department of Psychiatry, College of Physicians and Surgeons of Columbia University, New York, New York, USA.

Large-scale sequencing of cDNAs randomly picked from libraries has proven to be a very powerful approach to discover (putatively) expressed sequences that, in turn, once mapped, may greatly expedite the process involved in the identification and cloning of human disease genes. However, the integrity of the data and the pace at which novel sequences can be identified depends to a great extent on the cDNA libraries that are used. Because altogether, in a typical cell, the mRNAs of the prevalent and intermediate frequency classes comprise as much as 50-65% of the total mRNA mass, but represent no more than 1000- 2000 different mRNAs, redundant identification of mRNAs of these two frequency classes is destined to become overwhelming relatively early in any such random gene discovery programs, thus seriously compromising their cost-effectiveness. With the goal of facilitating such efforts, previously we developed a method to construct directionally cloned normalized cDNA libraries and applied it to generate infant brain (INIB) and fetal liver/spleen (INFLS) libraries, from which a total of 45,192 and 86,088 expressed sequence tags, respectively, have been derived. While improving the representation of the longest cDNAs in our libraries, we developed three additional methods to normalize cDNA libraries and generated over 35 libraries, most of which have been contributed to our integrated Molecular Analysis of Genomes and Their Expression (IMAGE) Consortium and thus distributed widely and used for sequencing and mapping. In an attempt to facilitate the process of gene discovery further, we have also developed a subtractive hybridization approach designed specifically to eliminate (or reduce significantly the representation of) large pools of arrayed and (mostly) sequenced clones from normalized libraries yet to be (or just partly) surveyed. Here we present a detailed description and a comparative analysis of four methods that we developed and used to generate normalized cDNA libraries from human (115), mouse (3), rat (2), as well as the porcine (*Sus scrofa*) genome (1). To a limited extent, we also

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```

=> s Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala
Met Lys Glu Phe Gly Trp Pro Leu Glu Lys
L1          0 LEU VAL HIS CYS LYS MET GLY VAL SER ARG SER ALA SER THR VAL ILE
                  ALA TYR ALA MET LYS GLU PHE GLY TRP PRO LEU GLU LYS

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=> s Leu Val His Cys Lys Met Gly Val Ser Arg Ser Ala Ser Thr Val Ile Ala Tyr Ala
Met
L1          S LEU VAL HIS CYS LYS MET GLY VAL SER ARG SER ALA SER THR VAL ILE
                  ALA TYR ALA MET

```

L. DEU VAL HIR. SIS LHS MET WY VAL SEP AM SEP

L4 LEU VAL HIS CYS LYS

MET GLY VAL SER ARG SER ALA SER THE VAL ILE ALA TYR ALA MET LYS GLU PHE GLY
DRI ILE LEU GLU LYS

=> s luche raif m/au
L7 LUCHE RAIF M/AU

=> s luche m raif/au
L8 LUCHE M RAIF/AU

=> e luche m raif. au

E1	2	LUCHE M JACQUELINE/AU
E2	5	LUCHE M M/AU
E3	0 ---	LUCHE M RAIF/AU
E4	1	LUCHE MARIE C/AU
E5	1	LUCHE MARIE C J/AU
E6	8	LUCHE MARIE JACQUELINE/AU
E7	3	LUCHE MICHELE/AU
E8	2	LUCHE MICHELE M/AU
E9	1	LUCHE O/AU
E10	1	LUCHE CLAP/AU
E11	13	LUCHE F. AU
E12	1	LUCHE F. D/AU

=> e luche raif m/au

E1	1	LUCHE R B/AU
E2	46	LUCHE R M/AU
E3	0 ---	LUCHE RAIF M/AU
E4	5	LUCHE RAIF/AU
E5	28	LUCHE RALF M/AU
E6	1	LUCHE RALF MICHAEL/AU
E7	2	LUCHE RALPH/AU
E8	1	LUCHE RONTEIX MARIE J/AU
E9	2	LUCHE RONTEIX MARIE JACQUELINE/AU
E10	36	LUCHE S. AU
E11	32	LUCHE SYLVIE/AU
E12	2	LUCHE T R/AU

=> s luche raif m au
L9 LUCHE RAIF M AU

=> s luche ralf m au
L10 LUCHE RALF M AU

=> dup rem 110
PROCESSING COMPLETED FOR L10
L11 26 DUP REM L11 : 26 DUPLICATES REMOVED

=> dup rem 111 and plusplant 111
L12 111 : 111 AND PLUSPLANT

=> dup rem 112 113 114

L12 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2003:242502 CAPLUS
DOCUMENT NUMBER: 138:261697
TITLE: Niclozine, sepiapterin and fumagazine and therapeutic use of a human dual-specificity protein kinase inhibitor

LANGUAGE: English

FAMILY ASST. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003015196	A2	20030327	WO 2002 US15906	20020516
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IM, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KE, MD, RU, TC, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, NL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DF, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GD, GW, ML, MR, NE, SN, TD, TG				
US 2003092114	A1	20030515	US 2002-151520	20020516

PRIORITY APPLN. INFO.: US 2001-231476P P 20010516

AB Compns. and methods are provided for the treatment of conditions assocd. with cell proliferation, cell differentiation and/or cell survival. In particular, the cDNA sequences and the encoded amino acid sequences of human dual-specificity protein tyrosine **phosphatase** DSP-18 isoforms DSP-18a-f, and polypeptide variants thereof that stimulate dephosphorylation of DSP-18 substrates, are provided. DSP-18 dephosphorylates an activated MAP kinase. The polypeptides may be used, for example, to identify antibodies and other agents that inhibit DSP-18 activity. The polypeptides and agents may be used to modulate cell proliferation, cell differentiation and cell survival.

L12 ANSWER 2 CF 19 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:256483 CAPLUS

DOCUMENT NUMBER: 136:290099

TITLE: Protein and cDNA sequences of a novel human protein DSP-18 with dual-specificity MAP kinase **phosphatase** activity, and therapeutic uses thereof

INVENTOR(S): Luche, Ralf M.; Wei, Bo

PATENT ASSIGNEE(S): Ceptyr, Inc., USA

SOURCE: PCT Int. Appl., 87 pp.

CCDEN: PIXXDE

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ASST. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002026497	A2	20020404	WO 2001-US30124	20010925
WO 2002026497	A3	20030109		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IM, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL,				

US 2002137170 A1 20020926 US 2001-964277 P 20010925
PRIORITY APPLN. INFO.: US 2001-235487P W 20010925
WO 2001-US30124 W 20010925

AB The invention provides protein and cDNA sequences of a novel human protein DSP-16, which has sequences homol. with dual-specificity MAP kinase **phosphatase**. The protein DSP-16 may be used, for example, to identify antibodies and other agents that inhibit DSP-16 activity. Semiquant. PCR results show significantly higher levels of DSP-16 mRNA in tissues of skeletal muscles. The invention further relates to the uses of protein DSP-16 for modulating cell proliferation, differentiation and survival.

L12 ANSWER 3 OF 1+ CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 20021240316 CAPLUS
DOCUMENT NUMBER: 136:274309
TITLE: Protein and cDNA sequences of the novel protein DSP-15 from human and mouse, with dual-specificity MAP kinase **phosphatase** activity, and therapeutic uses thereof
INVENTOR(S): Luche, Ralf M.; Wei, Bo
PATENT ASSIGNEE(S): Ceptyr, Inc., USA
SOURCE: PCT Int. Appl., 31 pp.
CDDEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002024740	A2	20020328	WO 2001-US29406	20010919
WO 2002024740	A3	20021205		
			W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BE, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KE, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MK, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AG, BY, KG, KZ, MD, RU, TC, TM RW: GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	
US 200212203	A1	20021205	US 2001-955732	20010918
AU 2001091146	A5	20020402	AU 2001-91146	20010919
PRIORITY APPLN. INFO.:			US 2001-235487P P 20010919 US 2001-955732 A 20010918 WO 2001-US30124 W 20010925	

AB The invention provides protein and cDNA sequences of novel human and mouse protein DSP-15, which has sequences homol. with dual-specificity MAP kinase **phosphatase**. The protein DSP-15 may be used, for example, to identify antibodies and other agents that inhibit DSP-15 activity. Semiquant. PCR results show significantly higher levels of DSP-15 mRNA in tissues of skeletal muscles. The invention further relates to the uses of protein DSP-15 for modulating cell proliferation, differentiation and survival.

phosphatase activity, and therapeutic uses
thereof
 INVENTOR(S) : **Luche, Ralf M.; Wei, Bo**
 PATENT ASSIGNEE(S) : Ceptyr, Inc., USA
 SOURCE: PCT Int. Appl., 70 pp.
 CODEN: PIIXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001083723	A2	20011108	WO 2001-US14076	20010501
WO 2001083723	A3	20020502		
			W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NC, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TS, UA, UG, US, UZ, VN, YU, ZA, SW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, ME, SD, SL, SE, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GE, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MF, NE, SN, TD, TG	
US 200212693	A1	20020801	US 2001-547519	20010501

PRIORITY APPLN. INFO.: US 2000-201322P P 20000502
 AB The invention provides protein and cDNA sequences of a novel human protein DSP-14, which has sequences homol. with dual-specificity MAP kinase **phosphatase**. The protein DSP-14 may be used, for example, to identify antibodies and other agents that inhibit DSP-14 activity. Semiquant. PCR results show significantly higher levels of DSP-14 mRNA in tissues of skeletal muscles. The invention further relates to the uses of protein DSP-14 for modulating cell proliferation, differentiation and survival.

L12 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001582056 CAPLUS
 DOCUMENT NUMBER: 135:163437
 TITLE: Protein and cDNA sequences of novel human proteins DSP-12 and DSP-14 with dual-specificity MAP kinase **phosphatase** activity, and therapeutic uses thereof
 INVENTOR(S): **Luche, Ralf M.; Wei, Bo**
 PATENT ASSIGNEE(S): Ceptyr, Inc., USA
 SOURCE: PCT Int. Appl., 70 pp.
 CODEN: PIIXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001083723	A1	20020801	WO 2001-US14076	20010501

YU, ZA, ZW, AM, AE, BY, KG, KZ, MI, FU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2001049359 A1 20011206 US 2001-775325 20010201

PRIORITY APPLN. INFO.: US 2000-173886P P 20000202

AB The invention provides protein and cDNA sequences of novel human proteins DSP-12 and DSP-13, which have sequences homol. with dual-specificity MAP kinase **phosphatase**. The proteins DSP-12 and DSP-13 may be used, for example, to identify antibodies and other agents that inhibit DSP-12 or DSP-13 activity. RT-PCR anal. shows DSP-12 and DSP-13 mRNAs in all human tissues analyzed, including brain, thymus, placenta, skeletal muscle, heart, pancreas, testis, adipose and liver. The invention further relates to the uses of proteins DSP-12 and DSP-13 for modulating cell proliferation, differentiation and survival. In addn., the invention also provides protein and cDNA sequences of DSP-13 splice variant.

L12 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001-4167 CAPLUS

DOCUMENT NUMBER: 134:116840

TITLE: Protein and cDNA sequences of a novel human protein DSP-11 with dual-specificity MAP kinase **phosphatase** activity, and therapeutic uses thereof

INVENTOR(S): Luche, Ralf M.; Wei, Bo

PATENT ASSIGNEE(S) : Ceptys, Inc., USA

SOURCE: PCT Int. Appl., 75 pp.

CODEN: PIIXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001005983	A1	20010125	WO 2000-US19710	20000719
W: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BE, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GE, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MN, MW, MX, MZ, NC, NE, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AE, BY, KG, KZ, MD, FU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CR, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1 349 512 A1	A1	2001-01-12	EP 0 1 349 512 A1	2001-01-12
EP: AT, BE, CH, DE, DK, ES, FI, FR, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CR, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2000-517293 T2	T2	2000-05-27	JP 2 001-511195	20000719
PRIORITY APPLN. INFO.:			US 1999-144557P	P 19990720
			WO 2000-US19710	W 20000719

AB The invention provides protein and cDNA sequences of a novel human protein DSP-11, which has sequences homol. with dual-specificity MAP kinase **phosphatase**. The protein DSP-11 may be used, for example, to

REFERENCE COUNT:

3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 200131658 CAPLUS
 DOCUMENT NUMBER: 14:36284
 TITLE: Protein and cDNA sequences of a novel human and mouse protein NIP-3 with dual-specificity MAP kinase phosphatase activity, and therapeutic uses thereof
 INVENTOR(S): Luche, Ralf M.; Wei, Bo
 PATENT ASSIGNEE(S): Chptyr, Inc., USA
 SOURCE: PCT Int. Appl., 86 pp.
 CUDEN: PIKKD1
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001004532	A1	20010111	WO 2000-US13207	20000629
W: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, CA, CH, CN, CR, CU, DE, DK, DM, DO, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LS, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NC, ND, PL, PT, RC, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TC, UA, UG, US, UC, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, ML, RU, TJ, TM RW: GH, GM, KE, LS, MW, ME, SB, SL, SZ, TG, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GE, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GH, GW, ML, MF, NE, SN, TD, TG				
WO 2000061092	A2	20001112	WO 2001-US9185	20000407
WO 2000061092	A3	20010104		
WO 2000061093	C2	20020529		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, CA, CH, CN, CR, CU, DE, DK, DM, DO, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LS, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NC, ND, PL, PT, RC, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TC, UA, UG, US, UC, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, ML, RU, TJ, TM RW: GH, GM, KE, LS, MW, ME, SB, SL, SZ, TG, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GE, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GH, GW, ML, MF, NE, SN, TD, TG				
WO 2001004532	A1	20010111	WO 2001-US13207	20000629
W: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, CA, CH, CN, CR, CU, DE, DK, DM, DO, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LS, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NC, ND, PL, PT, RC, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TC, UA, UG, US, UC, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, ML, RU, TJ, TM RW: GH, GM, KE, LS, MW, ME, SB, SL, SZ, TG, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GE, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GH, GW, ML, MF, NE, SN, TD, TG				
EP 0174524	A1	2001-04-17	EP 0174524	2001-04-17

AB The invention provides protein and cDNA sequences of novel human and mouse protein DSP-3, which has sequences homol. with dual-specificity MAP kinase phosphatase. The protein DSP-3 may be used, for example, to identify antibodies and other agents that inhibit DSP-3 activity. North blotting results show significantly higher levels of DSP-3 mRNA in tissues of heart, liver, skeletal muscle and pancreas. The invention further relates to the uses of protein DSP-3 for modulating cell proliferation, differentiation and survival.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 2001:31657 CAPLUS

DOCUMENT NUMBER: 134:16285

TITLE: Protein and cDNA sequences of a novel human protein DSP-3 with dual-specificity MAP kinase phosphatase activity, and therapeutic uses thereof

INVENTOR(S): Luche, Ralf M.; Wei, Bo

PATENT ASSIGNEE(S): Geptyr, Inc., USA

SOURCE: PCT Int. Appl., 74 pp.

CNIDEN: PIKXDH

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 200102581	A1	20010111	WO 2000-US10868	20000420
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DO, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LS, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TS, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KE, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TC, WG, SW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
WO 2000-0092	A2	20010112	WO 1000-US9185	20000407
WO 2000060092	A3	20010114		
WO 2000060092	CD	20020519		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DO, EE, ES, FI, HS, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LS, LC, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TS, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KE, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, NL, SZ, TC, WG, SW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
WO 2000-US10207	A1	20010111	WO 2000-US10868	20000420
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,				

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MF, NE, SN, TD, TG

EP 1196598 A1 20020417 EP 2000-943359 20000629

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: US 1999-142331P P 19990702
WO 2000-US9185 A 20000407
US 1999-128225P P 19990407
WO 2000-US10968 A 20000420
WO 2000-US18217 W 20000629

AB The invention provides protein and cDNA sequences of a novel human protein DSP-3, which has sequences homol. with dual-specificity MAP kinase phosphatase. The protein DSP-3 may be used, for example, to identify antibodies and other agents that inhibit DSP-3 activity. North blotting results show significantly higher levels of DSP-3 mRNA in tissues of heart, liver, skeletal muscle and pancreas. The invention further relates to the uses of protein DSP-3 for modulating cell proliferation, differentiation and survival.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 9 OF 10 CAPIPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 2000:772772 CAPIPLUS

DOCUMENT NUMBER: 133:330559

TITLE: Protein and cDNA sequences of a novel human protein DSP-3 with dual-specificity MAP kinase phosphatase activity, and therapeutic uses thereof

INVENTOR(S): Luche, Ralf M.; Wei, Bo

PATENT ASSIGNEE(S): Ceptyr, Inc., USA

SOURCE: PCT Int. Appl., 26 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000065069	A1	20001102	WO 2000-US11665	20000426
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DF, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MG, MI, MC, MF, MN, MM, MR, NZ, PL, PT, RO, RU, SI, SE, SG, SI, SK, SL, TR, TF, TT, TH, UA, UG, UN, UZ, VN, YU, ZA, HN, AM, AR, BY, EG, ER, MI, PU, TJ, TM				
PT: BH, BG, HM, IS, MN, NL, PL, SE, TE, US, EW, AT, BE, CH, CY, DE, DK, EL, FI, FR, GR, IP, IT, LV, MG, NL, PT, SE, BF, SI, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2002542786	T2	20021217	JP 2000-614403	20000426

PRIORITY APPLN. INFO.: US 1999-131156P P 19990427
US 2000-964357 A 20000424
WO 2000-US9185 W 20000629

AB The invention provides protein and cDNA sequences of a novel human protein

proliferation, differentiation and survival.
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:772771 CAPLUS
DOCUMENT NUMBER: 133:330558
TITLE: Protein and cDNA sequences of a novel human protein DSP-1 with dual-specificity MAP kinase phosphatase activity, and therapeutic uses thereof
INVENTOR(S): Luche, Ralf M.; Wei, Bo
PATENT ASSIGNEE(S): Cepty, Inc., USA
SOURCE: PCT Int. Appl., 65 pp.
Coden: PIXX02
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000-5063	A1	20001102	WO 2000-US10966	20000420
W: AE, AG, AL, AM, AT, AJ, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HE, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LS, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NC, NE, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TS, UA, UG, US, UZ, VI, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LV, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1173537	A1	20020113	EP 2000-923331	20000420
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002542735	T2	20021217	JP 2000-614402	20000420
US 6551810	B1	20030422	US 2000-557921	20000420
PRIORITY APPLN. INFO.:			US 1993-130836P P	19900423
			WO 2000-US10966 W	20000420

AB The invention provides protein and cDNA sequences of a novel human protein DSP-10, which has sequences homol. with dual-specificity MAP kinase phosphatase. The protein DSP-10 may be used, for example, to identify antibodies and other agents that inhibit DSP-10 activity. North blotting results show significantly higher levels of DSP-10 mRNA in tissues of human skeletal muscle and liver. The invention further relates to the uses of protein DSP-10 in modulating cell proliferation, differentiation and survival.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:756878 CAPLUS
DOCUMENT NUMBER: 133:318302
TITLE: Protein and cDNA sequences of a novel human protein

COINEN: PIXXIE
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000063393	A1	20001026	WO 2000-US10508	20000419
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IM, IS, JP, KE, KG, KP, KR, LS, LC, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, ND, NG, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1173586	A1	20020113	EP 2001-026122	20000419
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002541852	TZ	20021110	JP 2002-612472	20000419
PRIORITY APPLN. INFO.:			US 1999-130173 P	P 19990420
			WO 2000-US10508	W 20000419

AB The invention provides protein and cDNA sequences of a novel human protein DSP-8, which has sequences homol. with dual-specificity MAP kinase **phosphatase**. The protein DSP-8 may be used, for example, to identify antibodies and other agents that inhibit DSP-8 activity. North blotting results show significantly higher levels of DSP-8 mRNA in tissues of testis. The invention further relates to the uses of protein DSP-8 for modulating cell proliferation, differentiation and survival.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:725785 CAPLUS
DOCUMENT NUMBER: 13:291978
TITLE: Protein and cDNA sequences of a novel human protein DSP-8 with dual-specificity MAP kinase **phosphatase** activity, and therapeutic uses thereof
INVENTOR(S): Luche, Ralf M.; Wei, Bo
PATENT ASSIGNEE(S): Ceptyr, Inc., USA
SOURCE: PCT Int. Appl., 66 pp.
COINEN: PIXXIE
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000063393	A1	20001026	WO 2000-US10508	20000419
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,				

DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 US 6492157 B1 20021210 US 2000-544716 20000406
 EP 1168453 A1 20020109 EP 2000-920216 20000407
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 JP 2002547796 T2 20021203 JP 2000-609590 20000407
 PRIORITY APPLN. INFO.: US 1999-129203P P 19990407
 WO 2000-US9313 W 20000407
AB The invention provides protein and cDNA sequences of a novel human protein DSP-9, which has sequences homol. with dual-specificity MAP kinase **phosphatase**. The protein DSP-9 may be used, for example, to identify antibodies and other agents that inhibit DSP-9 activity. North blotting results show significantly higher levels of DSP-9 mRNA in tissues of human skeletal muscle, brain, thymus, ovary and testis. The invention further relates to the uses of protein DSP-9 for modulating cell proliferation, differentiation and survival.
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2160:725714 CAPLUS
 DOCUMENT NUMBER: 133:306352
TITLE: Protein and cDNA sequences of a novel human protein DSP-4 with dual-specificity MAP kinase **phosphatase** activity, and therapeutic uses thereof
INVENTOR(S): Luche, Ralf M.; Wei, Bo
PATENT ASSIGNEE(S): Ceptryr, Inc., USA
SOURCE: PCT Int. Appl., 63 pp.
 CODEN: PIKXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000060099	A1	20001012	WO 2000-US9313	20000407
W: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, ES, EE, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, FE, KG, KP, KR, KZ, LC, LK, LE, LS, LT, LU, LV, MA, MD, MG, MK, MM, MW, MX, NC, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, PT, MI, RU, TJ, TM				
PK: BH, CM, HE, LI, MN, NJ, NL, SE, TC, US, SW, AT, BE, CH, CY, IE, IK, ES, FI, FR, GE, GF, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, MG, NJ, NM, SG, SN, TZ, ML, MF, ME, SN, TI, TG				
EP 1171614	A1	2002-11-06	EP 2000-921970	20000407
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002547796	T2	20021203	JP 2000-609590	20000407
PRIORITY APPLN. INFO.:			US 1999-129203P P 19990407	
			WO 2000-US9313 W 20000407	

uses of protein DSP-4 for modulating cell proliferation, differentiation and survival.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 200017257-3 CAPLUS

DOCUMENT NUMBER: 133:231977

TITLE: Protein and cDNA sequences of a novel human protein DSP-7 with dual-specificity MAP kinase phosphatase activity, and therapeutic uses thereof

INVENTOR(S): Luche, Ralf M.; Wei, Bo

PATENT ASSIGNEE(S): Ceptry, Inc., USA

SOURCE: PCT Int. Appl., 70 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000060093	A1	20001012	WO 2000-US9257	20000407
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CS, DE, DK, DM, DO, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KE, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MW, MX, NO, NC, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TC, UA, UG, US, UC, VN, YU, ZA, ZW, AM, AZ, BY, KG, KE, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SS, TC, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SH, TD, TG			
EP 1171613	A1	20020116	EP 1000-921835	20000407
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2002540794	T2	20021202	JP 1000-609583	20000407

PRIORITY APPLN. INFO.: US 1999-123297P P 19990407
US 1999-133757P P 19990525
WO 2001-US-257 W 2000407

AE The invention provides protein and cDNA sequences of a novel human protein DSP-7, which has sequences homol. with dual-specificity MAP kinase phosphatase. The protein DSP-7 may be used, for example, to identify anti-diabetic and other agents that inhibit DSP-7 activity. North blotting results show significantly higher levels of DSP-7 mRNA in tissues of human skeletal muscle and testis. The invention further relates to the uses of protein DSP-7 for modulating cell proliferation, differentiation and survival.

REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 200017257-3 CAPLUS

DOCUMENT NUMBER: 133:131977

Luche, Ralf M.
Ceptry, Inc., USA

SOURCE: PCT Int. Appl., 6 pp.

CODEN: PIXXP2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000060092	A2	20001012	WO 000-US9185	20000407
WO 2000060092	A3	20010104		
WO 2000060092	C2	20020819		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DO, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KE, KR, LS, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MH, MN, MW, MX, NC, NG, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TG, UA, UG, US, UC, VN, YU, SA, ZW, AM, AC, BY, KG, KE, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TC, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
WO 2001012581	A1	201011	WO 00-US11868	20000420
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DO, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KE, KR, LS, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MH, MN, MW, MX, NC, NG, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TG, UA, UG, US, UC, VN, YU, SA, ZW, AM, AC, BY, KG, KE, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TC, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
WO 2001012582	A1	201011	WO 00-US11807	20000429
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DO, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KE, KR, LS, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MH, MN, MW, MX, NC, NG, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TG, UA, UG, US, UC, VN, YU, SA, ZW, AM, AC, BY, KG, KE, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TC, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.:

US 1993-128225P P 1990407

US 1993-141338P P 1990702

WO 93-14118P A 2000407

WO 93-14118P A 2000407

AB: The invention provides protein and mRNA sequences of a novel human protein, DSP-3, which has sequences homol. with dual-specificity MAP kinase phosphatase. The protein DSP-3 may be used, for example, to identify antibodies and other agents that inhibit DSP-3 activity. North blotting results show significantly higher levels of DSP-3 mRNA in tissues of heart, liver, skeletal muscle and pancreas. The invention further relates to the uses of protein DSP-3 for modulating cell proliferation, differentiation and survival.

INVENTOR(S) : **Luche, Ralf M.; Wei, Bo**
 PATENT ASSIGNEE(S) : **Ceptyr, Inc., USA**
 SOURCE: **PCT Int. Appl., 51 pp.**
 DOIEN: **PIXXDZ**
 DOCUMENT TYPE: **Patent**
 LANGUAGE: **English**
 FAMILY ACC. NUM. COUNT: **1**
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 200005688P	A1	20000926	WO 2000-US7589	20000322
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DS, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LZ, LC, LK, LP, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TT, TM, TF, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MN, NE, SN, TD, TG				
EP 1165805	A1	20020102	EP 1001-919530	20000322
R: AT, BE, CH, DE, DK, ES, FF, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RS				
JP 2002539792	T2	20021126	JP 2001-606758	20000322
PRIORITY APPLN. INFO.: US 1994-115957P P 19990324 US 2000-517376 A 20000316 WO 2000-US7589 W 20000322				

AB The invention provides protein and cDNA sequences of a novel human protein DSP-2, which has sequences homol. with dual-specificity MAP kinase **phosphatase**. The protein DSP-2 may be used, for example, to identify antibodies and other agents that inhibit DSP-2 activity. North blotting results show significantly higher levels of DSP-2 mRNA in tissues of the immune system and testis. The invention further relates to the uses of protein DSP-2 for modulating cell proliferation, differentiation and survival.

REFERENCE COUNT: **5** THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1: ANSWER 17 OF 19 CAPLUS COPYRIGHT 2001 ACS
 ACCESSION NUMBER: **2000:646042** CAPLUS
 DOCUMENT NUMBER: **133:236826**
 TITLE: **DSP-1 dual-specificity phosphatase**
 INVENTOR(S): **Luche, Ralf M.; Wei, Bo**
 PATENT ASSIGNEE(S): **Ceptyr, Inc., USA**
 SOURCE: **PCT Int. Appl., 51 pp.**
 DOIEN: **PIXXDZ**
 DOCUMENT TYPE: **Patent**
 LANGUAGE: **English**
 FAMILY ACC. NUM. COUNT: **1**
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

ERICRITY APPLN. INFO.: US 1999-123255P P 12990308

AB Comps. and methods are provided for the treatment of conditions associated with cell proliferation, cell differentiation and/or cell survival. In particular, the dual-specificity **phosphatase** DSP-1, and polypeptide variants thereof that stimulate dephosphorylation of DSP-1 substrates, are provided. The polypeptides may be used, for example, to identify antibodies and other agents that inhibit DSP-1 activity. The polypeptides and agents may be used to modulate cell proliferation, cell differentiation and cell survival for such disorders include cancer, graft-vs-host disease, autoimmune disease, allergies, metabolic disease, and abnormal cell growth or proliferation, and cell cycle abnormalities..

L12 ANSWER 18 OF 19 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2003:239124 BIOSIS

DOCUMENT NUMBER: PREM200300239124

TITLE: DSP-10 dual specificity **phosphatase**.

AUTHOR(S): Luche, Ralf M (1); Wei, Bo

CORPORATE SOURCE: (1) Seattle, WA, USA USA

ASSIGNEE: Ceptyr, Inc.

PATENT INFORMATION: US 6591310 April 22, 2003

SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Apr. 22 2003) Vol. 1269, No. 4, pp. No Pagination. <http://www.uspto.gov/web/menu/patdata.html>. e-file.

ISSN: 098-1133.

DOCUMENT TYPE: Patent

LANGUAGE: English

AB Compositions and methods are provided for the treatment of conditions associated with cell proliferation, cell differentiation and cell survival. In particular, the dual-specificity **phosphatase** DSP-10, and polypeptide variants thereof that stimulate dephosphorylation of DSP-10 substrates, are provided. The polypeptides may be used, for example, to identify antibodies and other agents that inhibit DSP-10 activity. The polypeptides and agents may be used to modulate cell proliferation, differentiation and survival.

L12 ANSWER 19 OF 19 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2003:68727 BIOSIS

DOCUMENT NUMBER: PREM20030068727

TITLE: DSP-10 dual-specificity **phosphatase**.

AUTHOR(S): Luche, Ralf M. (1); Wei, Bo

CORPORATE SOURCE: (1) Seattle, WA, USA USA

ASSIGNEE: Ceptyr, Inc., Bothell, WA, USA

PATENT INFORMATION: US 6492157 December 10, 2002

SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, Dec. 10 2002. Vol. 1265, No. 2, pp. No Pagination. <http://www.uspto.gov/web/menu/patdata.html>. e-file.

AB Compositions and methods are provided for the treatment of conditions associated with cell proliferation, cell differentiation and cell survival. In particular, the dual-specificity **phosphatase** DSP-10, and

and polypeptide variants thereof that stimulate dephosphorylation of DSP-9 substrates, are provided. The polypeptides may be used, for example, to identify antibodies and other agents that inhibit DSP-9 activity. The polypeptides and agents may be used to modulate cell proliferation, differentiation and survival.

=> s dsp-12 and phosphatase?

L13 2 DSP-12 AND PHOSPHATASE

=> dup rem l13

PROCESSING COMPLETED FOR L13

L14 1 DUP REM L13 (1 DUPLICATE REMOVED)

=> d l14 ibib ab

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
ACCESSION NUMBER: 2001:582056 CAPLUS
DOCUMENT NUMBER: 135:163437
TITLE: Protein and cDNA sequences of novel human proteins
DSP-12 and DSP-13 with
dual specificity MAP kinase **phosphatase**
activity, and therapeutic uses thereof
INVENTOR(S): Lushe, Ralf M.; Wei, Bo
PATENT ASSIGNEE(S): Ceptyr, Inc., USA
SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIKXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001057221	A2	20010809	WO 2001-US3429	20010201
WO 2001057221	A3	20020321		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DG, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, ML, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, IE, ES, FI, FR, GR, IE, IT, LV, MT, NL, PT, SE, TF, BE, SI, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

IPR FILING DATE: 2001-02-01 US 2001-02-01
APPLICANT: Ceptyr, Inc. US 2001-02-01
ABSTRACT: The invention provides protein and cDNA sequences of novel human proteins
DSP-12 and DSP-13, which have sequences homol. with
dual-specificity MAP kinase **phosphatase**. The proteins
DSP-12 and DSP-13 may be used, for example, to identify
antibodies and other agents that inhibit **DSP-12** or
DSP-13 activity. RT-PCR anal. shows **DSP-12** and **DSP-13**
mRNAs in all human tissues analyzed, including brain, thymus, placenta,

=> s l12 and dsp-12

L15 1 L12 AND DSP-12

=> d his

FILE 'HOME' ENTERED AT 15:41:39 ON 29 MAY 2003

FILE 'MEDLINE, CAPLUS, BIOSIS, BIOTECHDS, SCISEARCH, EMBASE' ENTERED AT
15:42:18 ON 29 MAY 2003

L1 Q S LEU VAL HIS WYS LYS MET GLY VAL SER ARG SER ALA SER THR VAL I
L2 Q S LEU VAL HIS WYS LYS MET GLY VAL SER ARG SER ALA SER THR VAL I
L3 Q S LEU VAL HIS WYS LYS MET GLY VAL SER ARG SER
L4 Q S LEU VAL HIS WYS LYS
L5 Q S MET GLY VAL SER ARG SER ALA SER THR VAL ILE ALA TYR ALA MET L
L6 Q S MET GLY VAL SER ARG SER ALA SER THR VAL ILE ALA TYR ALA MET L
L7 Q S LUCHE RAIF M:AU
L8 Q S LUCHE M RAIF AU
 E LUCHE M RAIF AU
 E LUCHE RAIF M:AU
L9 Q S LUCHE RAIF M:AU
L10 28 S LUCHE RAIF M:AU
L11 26 DUP REM L10 (2 DUPLICATES REMOVED)
L12 19 S L11 AND PHOSPHATASE
L13 2 S DSP-12 AND PHOSPHATASE?
L14 1 DUP REM L13 (1 DUPLICATE REMOVED)
L15 1 S L12 AND DSP-12

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	262.92	263.13
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-11.72	-11.72

STN INTERNATIONAL LOGOFF AT 15:50:05 ON 29 MAY 2003